Application No. 10/542,217 Amendment dated February 14, 2008 Reply to Office Action of November 14, 2007 Docket No.: SAE-0036

APPENDIX C

Human (Acc. No. 099677) Human (Acc. No. AF005419) Mouse (Acc. No. AK045289) Mouse (refSNP ID: rs29094420) Mouse (Acc. No. AL670943) Bovine (Acc. No. AAl34783)

Human (Acc. No. Q99877)
Human (Acc. No. AF0D5419)
Mouse (Acc. No. AK045289)
Mouse (refSNP ID: rs29094420)
Mouse (Acc. No. AL670943)
Bovine (Acc. No. AAI84783)

Human (Acc.No. Q99877)
Human (Acc.No. AF005419)
Mouse (Acc.No. AK045269)
Mouse (refSNP ID: rs29094420)
Mouse (Acc.No. AL670943)
Bovine (Acc.No. AA134783)

Human (Acc.No. Q99677) Human (Acc.No. AF005419) Mouse (Acc.No. AK045289) Mouse (refSNP ID: rs29094420) Mouse (Acc.No. AL670943) Bovine (Acc.No. AAI54783)

Human (Acc.No. C99677) Human (Acc.No. AF005419) Mouse (Acc.No. AK045289) Mouse (refSNP ID: rs29094420) Mouse (Acc.No. AL670943) Bovine (Acc.No. AAl34783)

Human (Acc.No. C99677) Human (Acc.No. AF005419) Mouse (Acc.No. AK045289) Mouse (refSNP ID: rs29094420) Mouse (Acc.No. AL670943) Bovine (Acc.No. AAI34783)

Human (Acc. No. C99677) Human (Acc. No. AF005419) Mouse (Acc. No. AK045289) Mouse (refSNP ID: rs29094420) Mouse (Acc. No. AL670948) Bovine (Acc. No. AA134783)

100

1
MGDRRYIDFQFQDSNSSLRPRLGNATANNTCIVDDSFKYNLNGAVYSVVFILGLITHSV9
MGDRRFIDFQFQDSNSSLRPRLGNATANNTCIVDDSFKYNLNGAVYSVVFILGLITHSVS
MGDRRFIDFQFQDLNSSLRPRLGNATANNTCIVDDSFKYNLNGAVYSVVFILGLITSSAS
MGDRRFIDFQFQDLNSSLRPRLGNATANNTCIVDDSFKYNLNGAVYSVVFILGLITHSAS
MGDRRFIDFQFQDLNSSLRPRLGNATANNTCIVDDSFKYNLNGAVYSVVFILGLITHSAS
MGDRRFIDFQFQDLNSSLRPRLGNATANNTCIVDDSFKYNLNGAVYSVVFILGLITHSAS

61
LPVPCFRMKMRSETAIPITNLAVSDLLFVCTLPFKIFYNFNRBWPFGDTLCKISGTAFLT
LPVPCFRMKMRSETAIFITNLAVSDLLFVCTLPFKIFYNFNRBWPFGDTLCKISGTAFLT
LFVPCFRMKMRSETAIFITNLALSDLLFVCTLPFKIFYNFNRHWPFGDTLCKISGTAFLT
LFVFCFRMKMRSETAIFITNLALSDLLFVCTLPFKIFYNFWHWPFGDTLCKISGTAFLT
LPVPCFRMKMRSETAIFITNLALSDLLFVCTLPFKIFYNFWHWPFGDTLCKISGTAFLT
LPVPCFRMKMRSETAIFITNLALSDLLFVCTLPFKIFYNFWHWPFGDTLCKISGTAFLT

180
NIYGSNLFLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSGGISASLFSTTM
NIYGSNLFLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSGGISASLFSTTM
NIYGSNLFLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSGGISASLFSTTM
NIYGSNLFLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSGGISASLFSTTM
NIYGSNLPLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSGGISASLFSTTM
NIYGSNLPLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSGGISASLFSTTM

240
VMMATTTCFEGFSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLRTLRKFATLSQI
VMMATTTCFEGLSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLRTLRKFATLSQI
VMMATTTCFEGFSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLRTLRKPATLSQI
VMMATTTCFEGFSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLRTLRKPATLSQI
VMMATTTCFEGFSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLRTLRKPATLSQI
VMMATTTCFEGFSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLRTLRKPATLSQI

241
GTNKKVLKMITVHMAVFVVCFVPYNSVLFLYALVRSQAITNCFLERFAKIMYPITLCLA
GTNKKKVLKMITVHMAVFVVCFVPYNSVLFLYALVRSQAITNCFLERFAKIMYPITLCLA
GTNKKKVLKMITVHMAVFVVCFVPYNSVLFLYALVRSQAITNCLLERFAKIMYPITLCLA
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GTNKKKVLKMITVHMAVFVVCFVPYNSVLFLYALVRSQAITNCLLERFAKIMYPITLCLA
GTNKKKVLKMITVHMAVFVVCFVPYNSVLFLYALVRSQAITNCLLERFAKIMYPITLCLA

360
TLNCCFDPFIYYFTLESFQRBFYINAHIRMEBLFKTETPLTTKPSLPAIQEEVSDQTTNN
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TLNCCFDPFIYYFTLESFQRSFYINTHIRMESLFKTETPLTTKPSLPAIQEEASDQTTNN

381 37
GGELMLESTF
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RDG2	Maaistsipvisopoftannepockynesiaffynrsgkhlatewn-tvsklynglgity
EDG4	
EDG7	
p2y9GPR23_	
	1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 *
EDG2	CIFIMLANLLVMVAIYVNRRFHFPIYYLMANLAAADFFAGLAYFYLMKNTGPNTRRLTVS
EDG4	SVLVILITNILVIAAIASNRRFHQPIYYLLGNLAAADLFAGVAYLFLMFHTGPRTARLSLE
EDG7	Clfiffsnslviaaviknrkfhppfyyllanlaaadffagiayvflmpntgpvsktltvn
p2y9GFR23_	filglitnsvslfvfcfrmkmrsetaifitmlavsdllfvctlpfkifynfmrhwpfgdt
	11 1114 1 1 121
EDG2	TWILROCLIDTSLTASVANLLAIAIERHITVER-MQLHTRMSHRRVVVVIVVIWTMAIVM
EDG4	GWFLRQGLLDTSLTASVATLLAIAVERHRSVMA-VQLHSRLFRGRVVMLIVGVWVAALGL
EDG7	RWFLRQGLIDSSLTASLTNLLVIAVERHKSIMR-MRVHSNLTKKRVTLLILLVWAIAIFM
[9_GPR23_	LCKISGTAFUTNIYGEMLFLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSG
	1
EDG2	GAIPSVGNNCICDIENCSNMAPLYSDSYLVFWAIFNLVTFVVNVVLYAHIFGYVRORTMR
EDG4	GLLPAHSWHCICALDRCSEMAPILSRSYLAVWALSSLLVFILMVAVYTRIFFYVRRRVQR
EDG7	GAVPTLGWNCLCNISACSSLAPIYSKSYLVFWTVSNLMAFLIMVVVYLHIYVYVKRKTNV
pžyš GPRŽŠ	GISASLFSTTNVNNATTTCFEGFSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLR
F - 1 1 - 1 - 1 - 1	# "
EDG2	MSRHSSGPRRWRDTIMSILKTVVIVLGAFIICWTPGLVILILD-VCCPQCDVLAYEKFF-
EDG4	Maehvschpryrettlslywtvviilgafvvcwtpgqvvllldglgcescnvlavekyf-
EDG7	LSPHTSGSISRRTPMKLMRTVMTVLGAFVVCWTFGLVVLLLDGINCRQCGVQHVKEWF-
pżys GPR23	TLREPATLSQIGTMKKVLKMITVHMAVFVVCFVPYNSVLFLYALVRSQAITNCFLERFA
·	£ ±
·	
EDGZ	Lilaefnsamnpiiysyrdkemsatfrqilocorsenptgptbgsdrsass
F 4	
Bird7	Lilalinsvvnpilysykdedmygtmkkmiccfsqenperrpsripstvls
p2y9GPR23_	KIMYPITICLATINCCFDPFIYYFTLESFORSFYINAHIRMESLFKTETPLTTKPSLPAI
	方 木市 - 市。 - 日 - 日 - 日 - 日 - 日 - 日 - 日 - 日 - 日 -
EDG2	LMHTILAGVHSNDHSVV
EDG4	GASTRIMLPENGHPLMDSTL
EDG7	RSDTGSQYIEDSISQGAVCNKSTS
p2y9GPR23_	QBEVSDQTTNNGGELMLESTF
E_41	Special medical programment of any